CIVIL AIM CONSULTANTS & ENGINEERS
(Building Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001-2015 Certified Company
NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

# QC ABSTRACT

Nameof Work: 'Maintenance and repairs of Footpath in Chowdeshwari ward no-02 of Yelahanka Sub division", BBMP, Bangalore.

| Sl. No. | Item | Quantity As Per BOQ | Required No's of testes as per frequency | Actual No's of testes as per frequency | Testes Resuts |
|---|---|---|---|---|---|
| 1 | 1:3:6 | 14.00Cum | 1 | 1 | Pass |
| 2 | Slab - 100mm | 124.20 Sqm | 1 | 1 | Pass |
| 3 | Kerbstones | 1556.00 Nos | 1 | 1 | Pass |

Cubes

| | |
|---|---|
| 0-5 Cum | 1Set |
| 6-15 Cum | 2Set |
| 16-30 Cum | 3Set |
| 31-50 Cum | 4Set |

Add 1set for extra 50Cum

A.E.E

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

# CIVIL AIM CONSULTANTS & ENGINEERS

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Job No.: CACE/BBMP/KGD/W.No.02/2023-24

## TEST REPORT

Date: 05.10.2023

| | | |
|---|---|---|
| CLIENT | : | **Assistant Executive Engineer,** Yelahanka Sub division, BBMP, Bangalore. |
| AGENCY | : | **Sri KiranGowda D (Sri Channakeshwara Enterprises)** , Contractor, Bangalore. |
| NAME OF THE WORK | : | 'Maintenance and repairs of Footpath in Chowdeshwari ward no-02 of Yelahanka Sub division", BBMP, Bangalore. |
| SAMPLE ID | : | Cement (Zuari OPC 53 Grade) |
| DATE OF MANUFACTURE | | September - 2023 |
| DATE OF TESTING | | 03.10.2023 to 05.10.2023 |

The results of the tests conducted on the cement sample are as follows:

| Sl.No | Descriptions | Test Method as per IS | Test Result | Requirements as per IS: 269-2015 |
|---|---|---|---|---|
| 1 | a) Initial Setting Time | IS-4031 (Part -5) | 135 Minutes | Not Less than 30 Minutes |
| | b) Final Setting Time | IS-4031 (Part -5) | 340 Minutes | Not More than 600 Minutes |
| 2 | Soundness | IS-4031 (Part 3) by the Le-Chatelier method | 1 mm | Not more than 10 mm |
| 3 | Standard Consistency | IS-4031 (Part -4) | 29.50 % | - |

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples collected at the site.

⇒ Any Query regarding the report must be reported within 30days from the date of testing.

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Job No.: CACE/BBMP/KGD/W.No.02/2023-24 Date : 05.10.2023

## TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.

Agency : Sri KiranGowda D (Sri Channakeshwara Enterprises) , Contractor, Bangalore.

Name of Work : 'Maintenance and repairs of Footpath in Chowdeshwari ward no-02 of Yelahanka Sub division", BBMP, Bangalore.

Date of Testing : 05.10.2023

Material : Sand - Masonry Total wt. of aggregates in gms = 1000

| Is Sieve Size in mm | Weight Retained (gm) | Retained Weight in % | Cumulative Retained Weight in % | Cumulative Weight Passing in % | Spec.Limits as per IS 2116-1980 |
|---|---|---|---|---|---|
| 4.75 | 0 | 0.00 | 0.00 | 100.0 | 100 |
| 2.36 | 19 | 1.90 | 1.90 | 98.1 | 90-100 |
| 1.18 | 72 | 7.20 | 9.10 | 90.9 | 70-100 |
| 600 Micron | 132 | 13.20 | 22.30 | 77.7 | 40-100 |
| 300 Micron | 248 | 24.80 | 47.10 | 52.9 | 5-70 |
| 150 Micron | 498 | 49.80 | 96.90 | 3.1 | 0-15 |

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Job No.: CACE/BBMP/KGD/W.No.02/2023-24 Date: 12.10.2023

## PRECAST SLAB 100mm Thick(CORE) TEST REPORT

| | | |
|---|---|---|
| Client | : | : Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore. |
| Contractor | : | : Sri KiranGowda D (Sri Channakeshwara Enterprises) , Contractor, Bangalore. |
| Name of Work | : | : 'Maintenance and repairs of Footpath in Chowdeshwari ward no-02 of Yelahanka Sub division", BBMP, Bangalore. |
| No.of Sample Tested | : | 03 |
| Date of Testing | : | 12.10.2023 |
| Techinical Reference | : | IS:516-1959 (Reaffirmed 1999), SP-24:1983. |
| Grade of Concrete | : | $M_{25}$ |

| Sl. No. | Dia of Core D (mm) | Height of Core H (mm) | Core Wt (Kg) | Density of Core (kg / $m^3$) | H / D | Correction factor (Based on H/D) | Failure Load (kN) | Core Strength ( $N/mm^2$) | Correction Factor for the Dia. (Strength of the Core x 1.08) | Corrected Cylinder Compressive Strength ($N/mm^2$) | Equivalent Cube Compressive Strength ($N/mm^2$) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 50.00 | 78.00 | 0.371 | 2422.42 | 1.56 | 0.952 | 39.70 | 20.22 | 21.84 | 20.80 | 26.00 |
| 2 | 50.00 | 79.00 | 0.385 | 2482.01 | 1.58 | 0.955 | 39.90 | 20.32 | 21.95 | 20.95 | 26.19 |
| 3 | 50.00 | 80.00 | 0.393 | 2501.92 | 1.60 | 0.957 | 40.30 | 20.52 | 22.17 | 21.21 | 26.51 |

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